

**AMENDMENTS TO THE CLAIMS:**

1. (previously presented) A method of screening for biologically active agents that ~~modulate a cancer associated protein kinase function to identify agents that modulate function of PCTK3~~, the method comprising:

combining a candidate biologically active agent with any one of:

(a) a polypeptide encoded by SEQ ID NO:3; or having the amino acid sequence set forth in SEQ ID NO:4;

(b) a cell comprising a nucleic acid encoding a polypeptide encoded by SEQ ID NO:3; or

(c) a non-human transgenic animal model for cancer associated kinase gene function comprising one of: (i) a knockout of a gene corresponding to SEQ ID NO:3; (ii) an exogenous and stably transmitted mammalian gene sequence comprising polypeptide encoded by SEQ ID NO:3;

and determining the effect of said agent on kinase function PCTK3 function.

2-57. (canceled)